Open Data

Abhi Nemani Randy Price City of Los Angeles



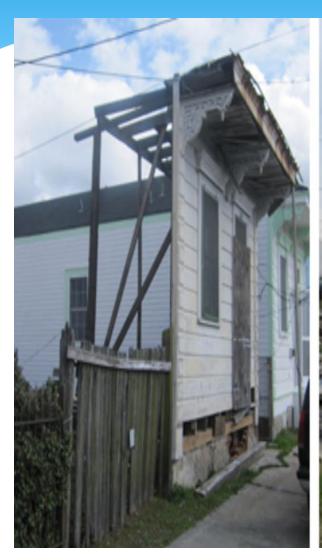
What is open data?



VS



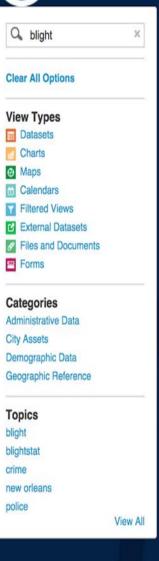
Blight in New Orleans

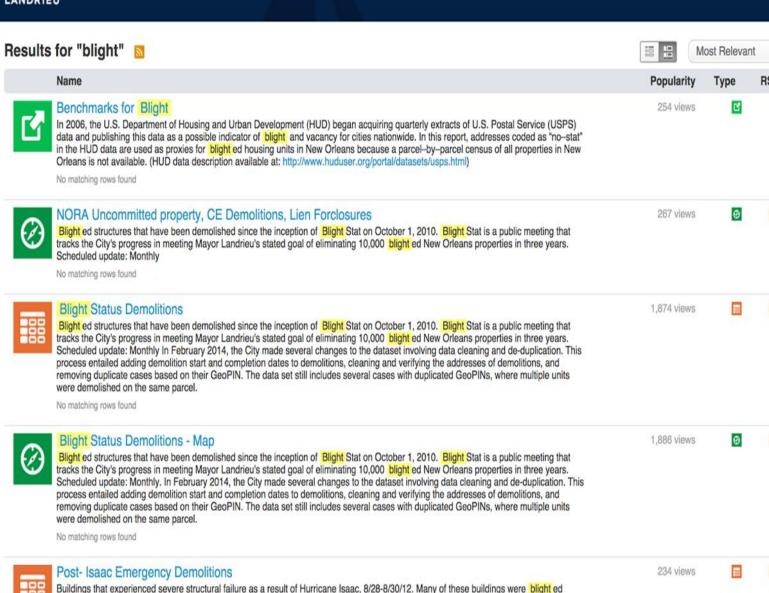




What's the status?



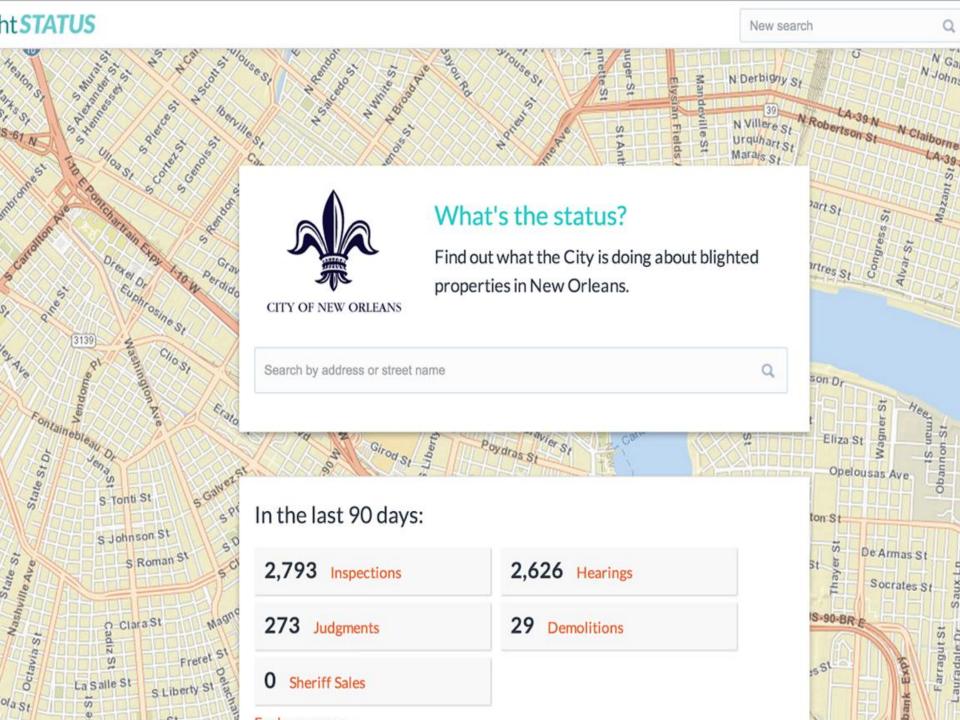




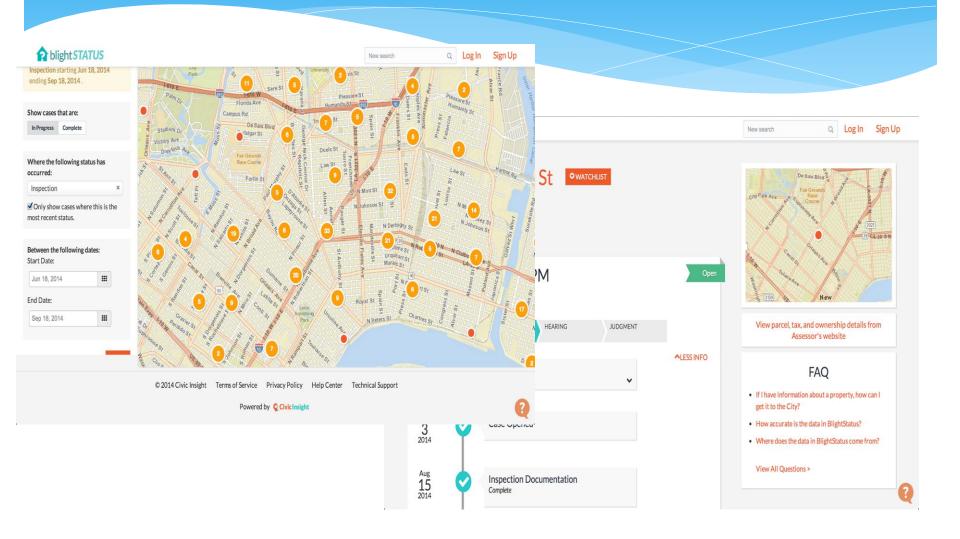
before Isaac, but the storm exacerbated their condition to a point where they were deemed a threat to public safety, and were expedited as

IDC cases, or "Imminent Danger of Collapse"

No matching rows found



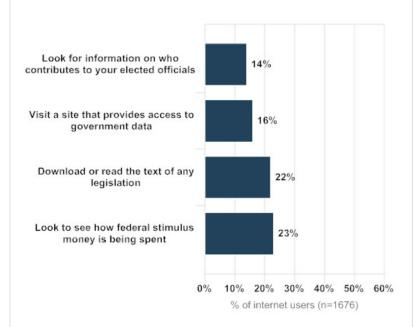
"It changed the conversation." - Fast Company



Why Open Data

Online government data users

40% of internet users went online for government data or information in the preceding twelve months. These are some of the data sources they looked for

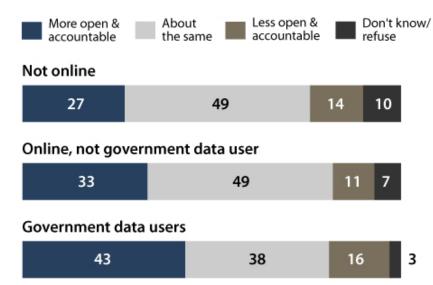


Pew Research Center's Internet & American Life Project, November 30-December 27, 2009 Tracking Survey. N=2,258 adults 18 and older, including 1,676 internet users. Please see the Methodology section for margin of error calculations.



Use of government data is correlated with positive attitudes towards federal government openness

The proportion (%) within each group who feel that the federal government is more or less open and accountable compared with two years ago.



Pew Research Center's Internet & American Life Project, November 30-December 27, 2009 Tracking Survey. N=2,258 adults 18 and older. Margin of error for the total sample is +/-2%. For smaller subgroups, the margin of error may be larger. Please see the Methodology section for details.



Open Data Platforms

Socrata

Socrata is the most popular commercial data platform provider in the United States. Socrata offers a turnkey SaaS cloud-hosted data catalog, paid for on a subscription basis. The Socrata platform includes API abilities and sitewide analytics that track consumption and engagement metrics.

Socrata is used by dozens of municipal governments, including **Baltimore**, **Austin**, **Chicago**, **Seattle**, and **New York City**.

PROS:

- Well-supported and relatively turnkey option
- Lots of experience with municipal government
- Add-on services like a performance management tool

CONS:

- Depending on options, can be more costly
- A more complicated interface

Considerations

- * Ease of Use
- * Type of Data
- Hosted
- * Cost

Esri ArcGIS Open Data

ArcGIS Open Data is a hosted web application provided by ESRI that allows any organization using ArcGIS Online to easily open up data stored in that system. Data providers can easily enable open data, specify open data groups, and create and publicize their open data without hosting their own site.

PROS:

- Many governments already have an existing relationship with ESRI.
- Easily integrates with existing systems.

CONS:

- May be best suited for geographic data.
- The offering is currently in beta as of June 2014.

OpenDataCatalog

OpenDataCatalog (ODC) is open source software originally created by Azavea for the city of Philadelphia. The software is available for download on Github and a community of developers and implementers continue to work on improving the software. ODC includes options for data owners to submit data for consideration and for registered public users to nominate a type of data they would like to see openly available to the public. ODC is written using Django, Python and PostgreSQL.

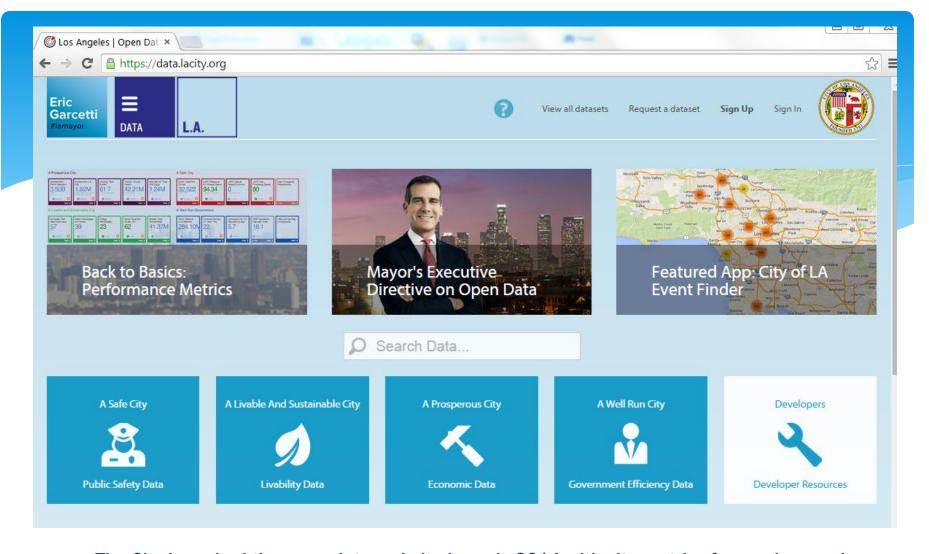
ODC has also been used in Cincinnati and San Diego for community-launched data catalogs...

PROS:

 Multiple success stories in US, creating a community of support among implementers in different cities.

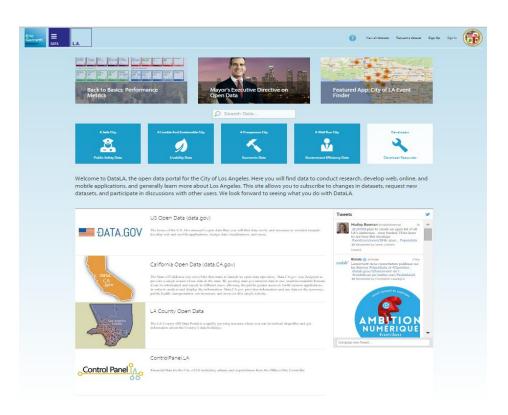
CONS:

- Moderately complex application environment (Python base)
- Limited commercial support options
- Relatively immature feature set
- Requires styling out of the box
- No repository capabilities
- Requires ongoing support resources internally



- * The City launched the open data website in early 2014 with city metrics for services and data in tabular or spatial format.
- * The purpose of the open data site is to provide access to the public, businesses, application developers and other city departments to create greater government efficiencies, innovative services and economic development.

https://data.lacity.org/



DataLA - the open data portal for the City of Los Angeles.

- * Here you will find data to conduct research, develop web, online, and mobile applications, and generally learn more about Los Angeles.
- * This site allows you to subscribe to changes in datasets, request new datasets, and participate in discussions with other users.



Business Circle

A community where small businesses and experts help each other with tech.

CNET > Car Tech > Ford invites hackers to use Los Angeles city data

Ford invites hackers to use Los Angeles city data

In what it bills the first developer conference hosted by an automaker during CTIA Super Mobility Week, Ford will run a hackathon where developers can build apps using data sets supplied by Los Angeles.

by Wayne Cunningham ¥ @way4ne / 1 August 2014, 3:28 am AEST



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Findi

O Los Angeles | Open Dat ×

← → C A https://data.lacity.org//

- Data organized by themes
- Each theme has a metric
- Drill down by choosing a theme
- Or type a keyword in the search box.
- Or search all data
- Data is refreshed on a regular basis













Search Data

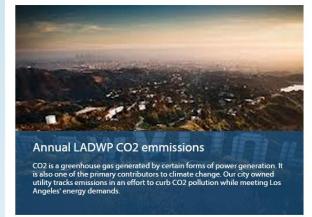




Welcome to DataLA, the open data portal for the City of Los Angeles. Here you will find data to conduct research, develop web, online, and mobile applications, and generally learn more about Los Angeles. This site allows you to subscribe to changes in datasets, request new datasets, and participate in discussions with other users. We look forward to seeing what you do with DataLA.



A Livable and Sustainable City











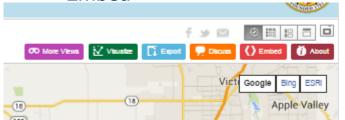
Types of City Data

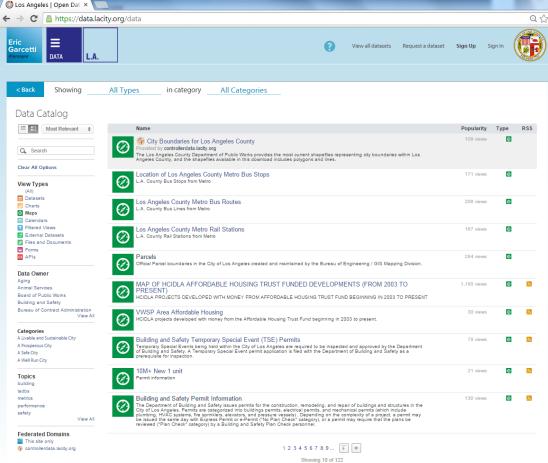
The City has

- * 248 datasets
- * 324 charts
- * 122 maps
- * 4 calendars
- * 111 filtered views
- * 18 external datasets

* You Can

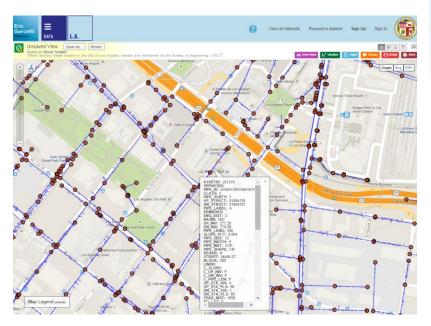
- Create Views
- Visualize with Graphs
- Export data
- Discuss
- Embed

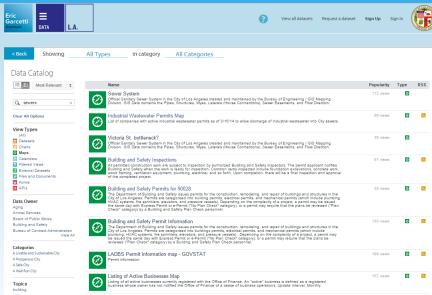




City GIS Data

122 spatial datasets that can be downloaded or embedded.



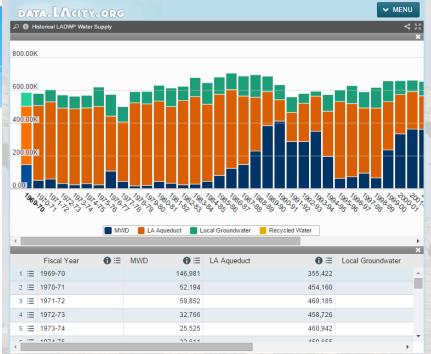


Showing 8 of 8

Embedding Data

The City's Open Data portal provides easy tools to embed data within your site.





Developer Tools

The City's Open Data portal provides a tool kit so developers can get the most out of the data that is available.

Developer Resources

Welcome to the Developer Resources Page! Did you know that every dataset on this site has an API? Get started by diving into the documentation, test drive examples, or browse other open data applications.



Getting Started with SODA

So you want to win that hackathon or build the next hot open data app? Follow the Getting Started guide for App Developers at dev.socrata.com to get yourself started. Learn about finding the API endpoint, building filters and queries, and getting set up with an App Token.





Additional API Documentation

Ready to start exploring the libraries and more indepth examples? Check out the libraries at dev.socrata.com, for languages like Java, Ruby, and Scala. Explore the API Docs to learn about the output formats and RESTful yerbs. Ready to get dive into examples? Check out the example of building a column chart in D3.





Submit Your App

If you have created an app with the open data on this site, we'd love to know about it! Submit your app here, and we will feature it on the site below. Looking for ideas for an app to build? Check out the library below to see what projects people are working on.

Submit App

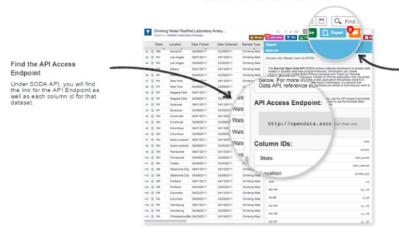
Find API information through

Every dataset, map, chart, and filtered view has an API! Find the API endpoints and column

names through the Export button, under SODA API.

the Export button.

How do I access an API?



Site Statistics



Top Datasets

Top Datasets

Los Angeles Great Streets Initiative: First 15 Streets Port of Los Angeles Tsunami Evacuation Routes & Signs MAP OF HCIDLA AFFORDABLE HOUSING TRUST FUNDED DEVELOPMENTS (FROM 2003 TO PRESENT) What's Happening LA Calendar Dataset	2,288 1,357 1,169 839
MAP OF HCIDLA AFFORDABLE HOUSING TRUST FUNDED DEVELOPMENTS (FROM 2003 TO PRESENT)	1,169
DEVELOPMENTS (FROM 2003 TO PRESENT)	,
What's Happening I A Calendar Dataset	839
What o Happoning Extranolatin Balabot	
Listing of Active Businesses	770
2014 Registered Foreclosure Properties	736
LAPD Crime and Collision Raw Data - 2014	722
LAPD Crime and Collision Data 2013 - Map View	637
Finance - % of Call Center Calls Answered (Monthly)	563
Water Use Average By Zipcode	532

Top Referrers

Name	Referrals =
https://jujo00obo2o234ungd3t8qjfcjrs3o6k-a-sites- opensocial.googleusercontent.com	6,609
http://www.lamayor.org	6,062
https://www.google.com	4,409
https://news.ycombinator.com	2,935
https://performance.lacity.org	2,200
http://www.latimes.com	1,984
http://www.buzzfeed.com	1,146
http://www.google.com	977
https://m.facebook.com	715
https://www.facebook.com	665

Show More

Show More

Top Searches

Top Search Terms

Name	Count
permits	16,273
crime	744
health	569
parking	557
housing	477
Sanitation	475
transit	457
restaurant inspections	394
dwp	333
foreclosure	329

Show More

Top Embeds

Name	Embeds ₩
https://jujo00obo2o234ungd3t8qjfcjrs3o6k-a-sites- opensocial.googleusercontent.com	6,562
http://www.lamayor.org	1,549
http://lagreatstreets.tumblr.com	297
http://floworking.com	102
http://www.atwaterconsultinggroup.com	92
http://www.buzzfeed.com	77
https://www.google.com	60
https://t.co	50
http://www.floworking.com	36
https://atwaterconsultinggroup.squarespace.com	31

Top Downloads

Top Applications

Name	Requests -
Pothole Tracker	14,064
BAVN Open Bid Opportunities	7,562
Ethics OpenData DataSync	1,669
LAPD Opendata Update	980
this is a test app	760
LAWA DataSync	534
O Louis' App Token	407
bos_od_sanodata	397
LADBS Temporary Special Event (TSE) Permit	378
HCIDLA app1	294

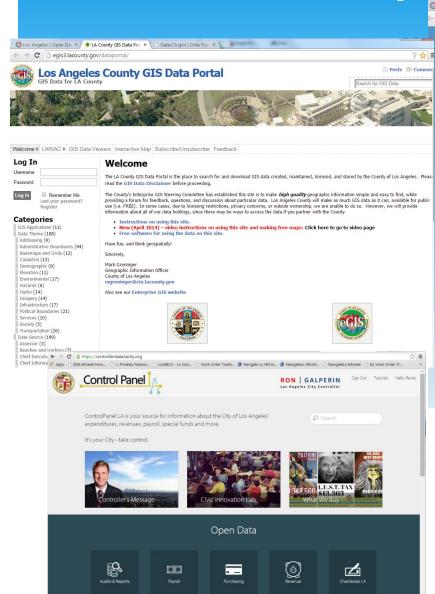
Show More

Top Downloads

Name	Downloads →
Building and Safety Permit Information	324
Listing of Active Businesses	227
Council Districts	209
Neighborhood Councils (Certified)	162
LAPD Crime and Collision Raw Data - 2014	146
Listing of Active Businesses - Council District 7	145
BAVN Open Bid Opportunities	142
City Boundary of Los Angeles	141
2014 Registered Foreclosure Properties	88
What's Happening LA Calendar Dataset	82

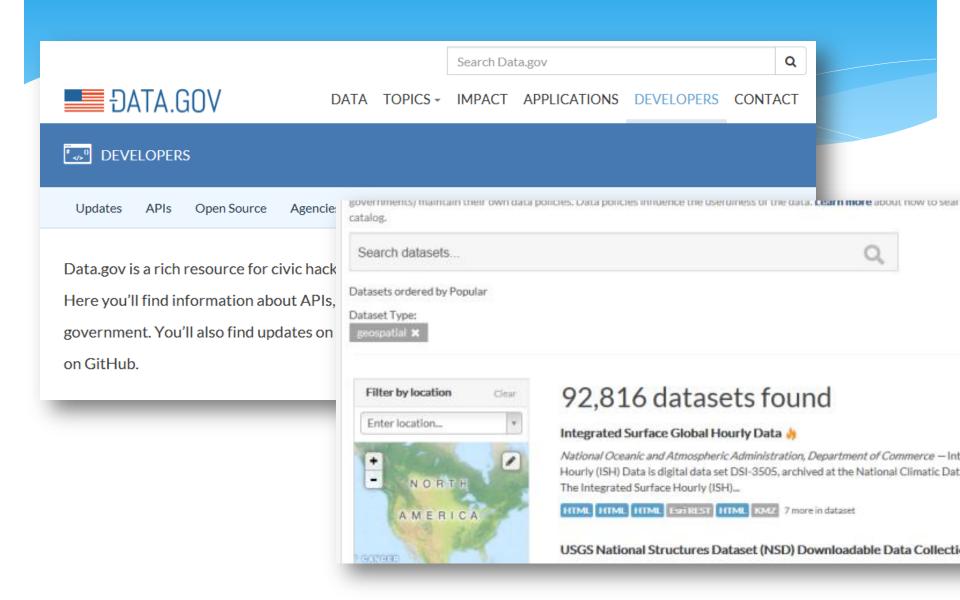
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Other Open Data Sites





Federal Government



Benefits

- * There is a general movement across all levels of government to provide open access to data
 - Generally opening access to data increases trust in the government
 - * Spawns economic growth through innovative use of the data and the associated applications built for the community
 - Increases efficiency within the government operations
 - Breaks down information silos within the organization

https://data.lacity.org/

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Thank You

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